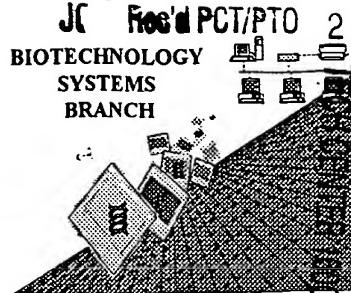


*Barbara
Campbell*



OCT 29 2001

#4
RECEIVED

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/889,182

Source: 1600 ResH

Date Processed by STIC: 10/22/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
<http://www.uspto.gov/web/offices/pac/checker>

1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/889,182

DATE: 10/22/2001
TIME: 12:13:24

Input Set : A:\ES.txt
Output Set: N:\CRF3\10222001\I889182.raw

w--> 1 **SEQUENZPROTOKOLL** *delete*
 4 <110> APPLICANT: Deutsches Krebsforschungszentrum
 6 <120> TITLE OF INVENTION: Selektion von monoklonalen Antikörpern
 8 <130> FILE REFERENCE: K 2779
OK 10 <140> CURRENT APPLICATION NUMBER: US/09/889,182
 11 <141> CURRENT FILING DATE: 2000-01-11
 13 <150> PRIOR APPLICATION NUMBER: DE 199 00 635.0-41
 14 <151> PRIOR FILING DATE: 1999-01-11
 16 <160> NUMBER OF SEQ ID NOS: 6
 18 <170> SOFTWARE: PatentIn Ver. 2.1.
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 5732
 23 <212> TYPE: DNA
 24 <213> ORGANISM: *künstliche Sequenz*
 26 <220> FEATURE:
 27 <221> NAME/KEY: CDS
 28 <222> LOCATION: (737) ... (1420)
 29 <223> OTHER INFORMATION: *Beschreibung der künstlichen Sequenz: Antikörper-Bindeprotein*
 32 <400> SEQUENCE: 1

| | | |
|----|----------------------------------------------------------------------|------|
| 35 | gccccgggtt acattgatta ttgactagtt attaatagta atcaattacg gggcattag | 60 |
| 37 | tccatagccc atatatggag ttccgcgtta cataacttac ggttaatggc cccgcctggct | 120 |
| 39 | gaccgcggaa cgaccccccgc ccattgacgt caataatgac gtatgttccc atagtaacgc | 180 |
| 41 | caataggggac tttccatgtt cgtcaatggg tggacttattt acggtaaact gcccaacttgg | 240 |
| 43 | cagtagatca agtgttatcat atgccaatgtt cggcccttat tgacgtcaat gagggtaaat | 300 |
| 45 | ggccgcctgt gcattatgcc cagtagatga ctttatggga ctttcctact tggcagtaca | 360 |
| 47 | tctacgtatt agtcatcgct attaccatgg ttagtgcgggtt ttggcagtac atcaatgggc | 420 |
| 49 | gtggatagcg gtttgactca cggggatttc caagtctcca ccccaatttgcgtcaatggga | 480 |
| 51 | gtttgttttg gcacccaaat caacgggact ttccaaaatg tcgtaacaac tccggccccc | 540 |
| 53 | tgacgcaat gggcggttagg cgtgtacgggt gggaggtcta tataagcaga gctctctggc | 600 |
| 55 | taactagaga accccactgt tactggctta tcgaaattaa tacgactcac tataaggaga | 660 |
| 57 | cccaagcttg gtaccgagct cggatccact agtaacggcc gccagtggtgc tggaaattcgg | 720 |
| 59 | cttggggata tccacc atg gag aca gac aca ctc ctg cta tgg gta ctg | 769 |
| 60 | Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu | |
| 61 | 1 5 10 | |
| 63 | ctg ctc tgg gtt cca ggt tcc act ggt gac tat cca tat gat gtt cca | 817 |
| 64 | Leu Leu Trp Val Pro Gly Ser Thr Gly Asp Tyr Pro Tyr Asp Val Pro | |
| 65 | 15 20 25 | |
| 67 | gat tat gct ggg gcc caa aag ccc gag gtg atc gat gcc agc gag ctg | 865 |
| 68 | Asp Tyr Ala Gly Ala Gln Lys Pro Glu Val Ile Asp Ala Ser Glu Leu | |
| 69 | 30 35 40 | |
| 71 | acc ccc gcc gtg acc acc tac aag cta gtg atc aac ggc aag acc ctg | 913 |
| 72 | Thr Pro Ala Val Thr Tyr Lys Leu Val Ile Asn Gly Lys Thr Leu | |
| 73 | 45 50 55 | |
| 75 | aag ggc gag acc acc gag gcc gtg gac gcc acc ggc gag aag | 961 |
| 76 | Lys Gly Glu Thr Thr Glu Ala Val Asp Ala Ala Thr Ala Glu Lys | |
| 77 | 60 65 70 75 | |
| 79 | gtg ttc aaa caa tac gct aat gac aac ggg gtc gac ggc gag tgg act | 1009 |

*all U.S.
applications
must be in
English*

*Does Not Comply
Corrected Diskette Needed*

pp 1,4

RAW SEQUENCE LISTING DATE: 10/22/2001
PATENT APPLICATION: US/09/889,182 TIME: 12:13:24

Input Set : A:\ES.txt
Output Set: N:\CRF3\10222001\I889182.raw

| | | | |
|----------------------------------------------------------------|------|-----|--|
| Gln Tyr Ala Asn Asp Asn Gly Val Asp Gly Glu Trp Thr | | | |
| 80 | 85 | 90 | |
| gcc acc aag acc ttc acc gtg acc gag aag ccc gag gtg | 1057 | | |
| Ala Thr Lys Thr Phe Thr Val Thr Glu Lys Pro Glu Val | | | |
| 95 | 100 | 105 | |
| gcg gag ctg acc ccc gcc gtg acc acc tac aag cta gtg | 1105 | | |
| Ser Glu Leu Thr Pro Ala Val Thr Thr Tyr Lys Leu Val | | | |
| 115 | 120 | | |
| aag acc ctg aag ggc gag acc acc acc gag gcc gtg gac | 1153 | | |
| Lys Thr Leu Lys Gly Glu Thr Thr Glu Ala Val Asp | | | |
| 130 | 135 | | |
| gcg gag aag gtg ttc aaa caa tac gct aat gac aac ggg | 1201 | | |
| Ala Glu Lys Val Phe Lys Gln Tyr Ala Asn Asp Asn Gly | | | |
| 145 | 150 | 155 | |
| gag tgg act tac gac gac gcc acc aag acc ttc acc gtg | 1249 | | |
| Glu Trp Thr Tyr Asp Asp Ala Thr Lys Thr Phe Thr Val | | | |
| 160 | 165 | 170 | |
| gcc gca gaa caa aaa ctc atc tca gaa gag gat ctg aat | 1297 | | |
| Ala Ala Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn | | | |
| 175 | 180 | 185 | |
| gac gga caa aac gac acc agc caa acc agc agc ccc tca | 1345 | | |
| Asp Gly Gln Asn Asp Thr Ser Gln Thr Ser Ser Pro Ser | | | |
| 195 | 200 | | |
| aac ata agc gga ggc att ttc ctt ttc ttc gtg gcc aat | 1393 | | |
| Asn Ile Ser Gly Gly Ile Phe Leu Phe Phe Val Ala Asn | | | |
| 210 | 215 | | |
| cac ctc ttc tgc ttc agt tgagggtgaca cgtctagagc | 1440 | | |
| His Leu Phe Cys Phe Ser | | | |
| 225 | | | |
| gtcacccata atgctagagc tcgctgatca gcctcgactg tgccttctag | 1500 | | |
| ctgttgtttt gcccccccc cgtgccttcc ttgaccctgg aaggtgccac | 1560 | | |
| ttttccataat aaaatgagga aattgcatacg cattgtctga gtaggtgtca | 1620 | | |
| gggggtgggg tggggcagga cagaagggg gaggattggg aagacaatag | 1680 | | |
| ggggatgcgg tgggcttat ggcttctgag gcgaaaagaa ccagtggcgg | 1740 | | |
| tccacacagaa tcagggata acgcggaaa gaacatgtga gcaaaaggcc | 1800 | | |
| aggaaccgt aaaaaggccg cgttgctggc gttttccat aggctccgccc | 1860 | | |
| catcacaaaa aatcgacgt caagtcaagag gtggcgaaac ccgcacaggac | 1920 | | |
| ccaggcggtt cccctggaa gctccctcg gegetctctt gtcccgacc | 1980 | | |
| gggataacctg tccgccttc tcccttcggg aagctggcg cttttctata | 2040 | | |
| aggatatetc agttcggtgt aggtcggtcg ctccaagctg ggctgtgtc | 2100 | | |
| gttgcagccc gaccgcgtcg ctttatccgg taactatcg tttgagtcca | 2160 | | |
| acacgactta tgcgcactgg cagcagccac tggtaacagg attagcagag | 2220 | | |
| gggoggtgt acagagttt tgaagtggtg gcttaactac ggctacacta | 2280 | | |
| tttggtatc tgcgccttcg tgaagccagt taccttcgga aaaagagttg | 2340 | | |
| tccggcaaa caaacccaccc ctggtagcg gggtttttt gtttgcaga | 2400 | | |
| ccgcagaaaa aaaggatctc aagaagatcc tttgatctt tctacgggt | 2460 | | |
| tggAACGAA aactcacgtt aagggatttt ggcatgaga ttatcaatc taaagtatat | 2520 | | |
| gaggctatg qcaggccctg ccgcggccgac gttggctcgq agccctggqc | 2580 | | |

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/889,182

DATE: 10/22/2001
TIME: 12:13:24

Input Set : A:\ES.txt
Output Set: N:\CRF3\10222001\I889182.raw

| | | | | | | | |
|-----|-------------|-------------|-------------|-------------|-------------|--------------|------|
| 160 | cttcacccga | acttgggggg | tgggggtgggg | aaaaggaaga | aacgcggcg | tattggcccc | 2700 |
| 162 | aatgggtct | cggtggggta | tcgacagagt | gccagccctg | ggaccgaacc | ccgcgtttat | 2760 |
| 164 | gaacaaacga | cccaacacgg | tgegttttat | tctgtctttt | tattgcgtc | atagcgcggg | 2820 |
| 166 | ttccctccgg | tattgtctcc | ttccgtgttt | cagttagct | ccccctaggg | tgggcgaaga | 2880 |
| 168 | actccagcat | gagatccccg | cgttggagga | tcatccagcc | ggcgtcccgg | aaaacgattc | 2940 |
| 170 | cgaagccaa | ccttcatag | aaggcggcg | tggaaatcgaa | actctgtat | ggcaggttgg | 3000 |
| 172 | gcgtcgctt | gtcggtcatt | tcgaacccca | gagtcccgt | cagaagaact | cgtcaagaag | 3060 |
| 174 | gcgatagaag | gcgtatgcgt | gcgaatcggg | agcggcgata | ccgtaaagca | cgaggaagcg | 3120 |
| 176 | gtcagccat | tcgcccggcaa | gctttcagc | aatatcacgg | gtagccaacg | ctatgtcctg | 3180 |
| 178 | atacggtcc | gccacaccca | gcggccaca | gtcgatgaat | ccagaaaagc | ggccattttc | 3240 |
| 180 | caccatgata | ttcggcaagc | aggcatcgcc | atgggtcacy | acgagatcc | cgccgtcggg | 3300 |
| 182 | catgctcgcc | ttgagcctgg | cgaacagttc | ggctggcg | agccccgtat | gctcttgatc | 3360 |
| 184 | atccgtatcg | acaagaccgg | cttccatccg | agtacgtct | cgctcgatgc | gatgttcgc | 3420 |
| 186 | ttggtggtcg | aatgggcagg | tagccggatc | aagcgtatgc | acgcgcgc | ttgcatcagc | 3480 |
| 188 | catgatggat | actttctcg | caggagaag | gtgagatgc | aggagatcc | gccccggcac | 3540 |
| 190 | ttcgccaaat | gcgcggcagt | cccttccgc | ttcaagtgaca | acgtcgagca | cagctgcgc | 3600 |
| 192 | aggaacgccc | gtcgtggcca | gccacgatag | ccgcgtcgcc | tctgtttgc | gttcatccag | 3660 |
| 194 | ggcacccggac | aggtcggtct | tgacaaaaag | aaccgggcgc | ccctgcgtcg | acagccggaa | 3720 |
| 196 | cacggcggca | tcagagcagc | cgattgtctg | ttgtgcccag | tcatagccga | atagcccttc | 3780 |
| 198 | cacccaagcg | gccggagaac | ctgcgtgaa | tccatcttg | tcaatcatgc | gaaacgatcc | 3840 |
| 200 | tcatcctgtc | tcttgatcga | tcttgcaaa | agcttaggc | tccaaaaaaag | cctccctact | 3900 |
| 202 | actcttgaa | tagctcagag | gcggaggagg | ccgcctcgcc | ctctgcataa | ataaaaaaaaaa | 3960 |
| 205 | tttagtcagcc | atggggcg | gaatggcg | aactggcg | agtttagggc | gggatggcg | 4020 |
| 207 | gagtttaggg | cggggactat | gttgctgact | aatttagat | catgctttgc | atacttctgc | 4080 |
| 209 | ctgctgggg | gcctgggg | tttccacacc | tgggtgtca | ctaattgaga | tgcatgttt | 4140 |
| 211 | gcatacttc | gcctgtgg | gagcctgggg | actttccaca | ccctaactgc | cacacattcc | 4200 |
| 213 | acagctgg | tttccgcct | caggacttt | ccttttca | taaatcaatc | taaagtatat | 4260 |
| 215 | atagataaac | ttggtctgac | agtttcaat | gcttaatcg | tgaggcacct | atctcagcga | 4320 |
| 217 | tctgtctatt | tcgttcatcc | atagttgcct | gactccccgt | cgtagatata | actacgatac | 4380 |
| 219 | gggagggtct | accatctggc | cccagtgc | caatgatacc | gcgagacca | cgctcaccgg | 4440 |
| 221 | ctccagattt | atcagcaata | aaccaggcag | ccgaaagggc | cgagcgcaga | agtggcctg | 4500 |
| 223 | caactttatc | cgcctccatc | cagtctatta | atttgtccg | ggaagctaga | gtaagtagtt | 4560 |
| 225 | cgccagttaa | tagtttgc | aacgttgg | ccattgtac | aggcatcg | gtgtcacgct | 4620 |
| 227 | cgtcggttgg | tatggcttca | ttcagctcc | gttcccaac | atcaaggcg | gttacatgt | 4680 |
| 229 | cccccatgtt | gtgcaaaaaa | gcgggttagt | ccttcggtcc | tccgatcg | gtcagaagta | 4740 |
| 231 | agtggccgc | agtgttatac | ctcatgtt | tggcagca | gcataattct | cttactgtca | 4800 |
| 233 | tgccatccgt | aaagatgttt | tctgtact | gtgagact | aaccaagtca | ttctgagaat | 4860 |
| 235 | agtgtatgcg | gcgaccgagt | tgctctg | ccgcgtca | acgggataat | accgcggcac | 4920 |
| 237 | atacgagaac | tttaaaatgt | ctcatcattt | gaaaacgtt | ttcggggcg | aaactctcaa | 4980 |
| 239 | ggatcttacc | gtctgtt | tcctgtt | tgtaaaccac | tctgtgcaccc | aactgtatct | 5040 |
| 241 | cacatcttt | tacttccacc | agcgtttct | ggtgagcaaa | aacaggaagg | caaaatgcgc | 5100 |
| 243 | aaaaaaagg | aataaggcc | acacggaaat | gttataact | catactttcc | ctttttcaat | 5160 |
| 245 | attattgtt | catttatcag | ggttattgt | tcatqagcg | atacatattt | gaatgtattt | 5220 |
| 247 | aaaaaaataa | acaaatagg | gttccgc | cattcccc | aaaagtgc | cctgacgc | 5280 |
| 249 | cctgttagcg | cgtttaage | gcggcggt | tgggtgttac | gcgcagcg | accgtacac | 5340 |
| 251 | ttggccagcg | ccttagcgcc | gtcttcc | tttcttcc | ttccttctc | gccacgttgc | 5400 |
| 253 | ccggcttcc | ccgtcaag | ctaaatcg | ggccccc | tttgggtcc | tttagtct | 5460 |
| 255 | tacggcacct | cgacccaaa | aaacttgatt | agggtatgg | ttcacgtat | gggcacatcg | 5520 |
| 257 | cctgatagac | ggttttcgc | ccttgacgt | tggagtccac | gttcttaat | agtggactt | 5580 |

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/889,182

DATE: 10/22/2001
TIME: 12:13:24

Input Set : A:\ES.txt
Output Set: N:\CRF3\10222001\I889182.raw

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259 tgttccaaac tggacaaca ctcacccta tctcggtcta ttctttgat ttataaggga      5640
261 ttttgcgat ttccgcctat tggtaaaaa atgagctgat ttaacaaaa ttaacgcga      5700
263 attttaacaa aatattaacg cttacaattt ac      5732
267 <210> SEQ ID NO: 2
268 <211> LENGTH: 228
269 <212> TYPE: PRT
270 <213> ORGANISM: kunstliche Sequenz → 22207
272 <223> OTHER INFORMATION: Beschreibung der kunstlichen Sequenz: Antikörper-Bindeprotein is shown
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277 Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
278   1           5           10          15
280 Gly Ser Thr Gly Asp Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Gly Ala
281       20          25          30
283 Gln Lys Pro Glu Val Ile Asp Ala Ser Glu Leu Thr Pro Ala Val Thr
284       35          40          45
286 Thr Tyr Lys Leu Val Ile Asn Gly Lys Thr Leu Lys Gly Glu Thr Thr
287       50          55          60
289 Thr Glu Ala Val Asp Ala Ala Thr Ala Glu Lys Val Phe Lys Gln Tyr
290       65          70          75          80
292 Ala Asn Asp Asn Gly Val Asp Gly Glu Trp Thr Tyr Asp Asp Ala Thr
293       85          90          95
295 Lys Thr Phe Thr Val Thr Glu Lys Pro Glu Val Ile Asp Ala Ser Glu
296       100         105         110
298 Leu Thr Pro Ala Val Thr Thr Tyr Lys Leu Val Ile Asn Gly Lys Thr
299       115         120         125
301 Leu Lys Gly Glu Thr Thr Glu Ala Val Asp Ala Ala Thr Ala Glu
302       130         135         140
304 Lys Val Phe Lys Gln Tyr Ala Asn Asp Asn Gly Val Asp Gly Glu Trp
305       145         150         155         160
307 Thr Tyr Asp Asp Ala Thr Lys Thr Phe Thr Val Thr Glu Ala Ala Ala
308       165         170         175
310 Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn Gly Ala Val Asp Gly
311       180         185         190
313 Gln Asn Asp Thr Ser Gln Thr Ser Ser Pro Ser Ala Ser Ser Asn Ile
314       195         200         205
316 Ser Gly Gly Ile Phe Leu Phe Phe Val Ala Asn Ala Ile Ile His Leu
317       210         215         220
319 Phe Cys Phe Ser
320 225
324 <210> SEQ ID NO: 3
325 <211> LENGTH: 6094
326 <212> TYPE: DNA
327 <213> ORGANISM: kunstliche Sequenz
329 <220> FEATURE:
330 <221> NAME/KEY: CDS
331 <222> LOCATION: (682) ... (1782)
332 <223> OTHER INFORMATION: Beschreibung der kunstlichen Sequenz: Antikörper-Bindeprotein
334 <400> SEQUENCE: 3
337 gcgcgcttg acattgatta ttgacttagtt attaatagta atcaattacg gggtcattag      60

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The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/889,182

DATE: 10/22/2001

TIME: 12:13:24

Input Set : A:\ES.txt

Output Set: N:\CRF3\10222001\I889182.raw

| | | | | | | | | | | | | | | | | | |
|-----|-------------|-------------|------------|-------------|-------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 339 | ttcatagccc | atatatggag | ttccgcgtta | cataacttac | ggtaaatggc | ccgcctggct | 120 | | | | | | | | | | |
| 341 | gaccgccccaa | cgaccccccgc | ccattgacgt | caataatgac | gtatgttccc | atagtaacgc | 180 | | | | | | | | | | |
| 343 | caataggac | tttccattga | cgtcaatggg | tggactattt | acggtaaact | gcccacttgg | 240 | | | | | | | | | | |
| 345 | cagtacatca | agtgtatcat | atgccaagta | cgcggccat | tgacgtcaat | gacggtaaat | 300 | | | | | | | | | | |
| 347 | ggccgcctg | gcatttatgcc | cagtacatga | ccttatggga | ctttcctact | tggcagttaca | 360 | | | | | | | | | | |
| 349 | tctacgtatt | agtcatcgct | attaccatgg | tgtatgcgtt | ttggcagttac | atcaatgggc | 420 | | | | | | | | | | |
| 351 | gtggatagcg | gtttgactca | cggggatttc | caagtctcca | ccccattgac | gtcaatggga | 480 | | | | | | | | | | |
| 353 | gtttgttttgc | gcacccaaat | caacgggact | ttccaaaat | tgcgtacaac | tccggcccat | 540 | | | | | | | | | | |
| 355 | tgacgcaaat | gggcggtagg | cgtgtacgg | gggagggtcta | tataaggaga | gctctctggc | 600 | | | | | | | | | | |
| 357 | taactagaga | accactgtct | tactggctta | tcgaaattaa | tacgactcac | tatagggaga | 660 | | | | | | | | | | |
| 359 | cccaagcttgc | gtaccgggtgc | gatg | gca | ccc | tgc | atg | ctg | ctc | ctg | ctg | ttg | 711 | | | | |
| 360 | . | . | Met | Ala | Pro | Cys | Met | Leu | Leu | Leu | Leu | Leu | | | | | |
| 361 | | | 1 | | 5 | | | | 10 | | | | | | | | |
| 364 | gcg | gcc | gcc | ctg | gcc | ccg | act | cag | acc | cgc | gcg | ggg | gcc | caa | aag | gag | 759 |
| 365 | Ala | Ala | Ala | Leu | Ala | Pro | Thr | Gln | Thr | Arg | Ala | Gly | Ala | Gln | Lys | Glu | |
| 366 | | | | 15 | | | | 20 | | | 25 | | | | | | |
| 368 | aag | acc | ccc | gag | gag | ccc | aag | gag | gag | gtg | acc | atc | aag | gcc | aac | ctg | 807 |
| 369 | Lys | Thr | Pro | Glu | Glu | Pro | Lys | Glu | Glu | Val | Thr | Ile | Lys | Ala | Asn | Leu | |
| 370 | | | | 30 | | | | 35 | | | 40 | | | | | | |
| 372 | atc | tac | gcc | gac | ggc | aag | acc | cag | acc | gcc | gag | ttc | aag | gyc | acc | ttc | 855 |
| 373 | Ile | Tyr | Ala | Asp | Gly | Lys | Thr | Gln | Thr | Ala | Glu | Phe | Lys | Gly | Thr | Phe | |
| 374 | | | | 45 | | | | 50 | | | 55 | | | | | | |
| 376 | gag | gag | gcc | acc | gcy | gag | gcc | tac | cgc | tac | gcc | gac | gcc | ctg | aag | aag | 903 |
| 377 | Glu | Glu | Ala | Thr | Ala | Glu | Ala | Tyr | Arg | Tyr | Ala | Asp | Ala | Leu | Lys | Lys | |
| 378 | | | | 60 | | | | 65 | | | 70 | | | | | | |
| 380 | gac | aac | ggc | gag | tac | acc | gtg | gac | gtc | gac | aag | ggc | tac | acc | ctg | 951 | |
| 381 | Asp | Asn | Gly | Glu | Tyr | Thr | Val | Asp | Val | Ala | Asp | Lys | Gly | Tyr | Thr | Ieu | |
| 382 | 75 | | | 80 | | | | 85 | | | 90 | | | | | | |
| 385 | aac | atc | aag | ttc | gcc | ggc | aag | gag | aag | acc | ccc | gag | ggc | ccc | aag | gag | 999 |
| 386 | Asn | Ile | Lys | Phe | Ala | Gly | Lys | Glu | Lys | Thr | Pro | Glu | Glu | Pro | Lys | Glu | |
| 387 | | | | 95 | | | | 100 | | | 105 | | | | | | |
| 389 | gag | gtg | acc | atc | aag | gcc | aac | ctg | atc | tac | gcc | gac | ggc | aag | acc | cag | 1047 |
| 390 | Glu | Val | Thr | Ile | Lys | Ala | Asn | Leu | Ile | Tyr | Ala | Asp | Gly | Lys | Thr | Gln | |
| 391 | | | | 110 | | | | 115 | | | 120 | | | | | | |
| 393 | acc | gcc | gag | ttc | aag | ggc | acc | ttc | gag | gag | gcc | acc | gcy | gag | gcc | tac | 1095 |
| 394 | Thr | Ala | Glu | Phe | Lys | Gly | Thr | Phe | Glu | Glu | Ala | Thr | Ala | Glu | Ala | Tyr | |
| 395 | | | | 125 | | | | 130 | | | 135 | | | | | | |
| 397 | cgc | tac | gcc | gac | gcc | ctg | aag | aag | gac | acc | ggc | gag | ggc | tac | acc | gtg | 1143 |
| 398 | Arg | Tyr | Ala | Asp | Ala | Leu | Lys | Lys | Asp | Asn | Gly | Glu | Tyr | Thr | Val | Asp | |
| 399 | 140 | | | 145 | | | | 150 | | | | | | | | | |
| 401 | gtg | gcc | gac | aag | ggc | tac | acc | ctg | aac | atc | aag | ttc | gcc | ggc | aag | gag | 1191 |
| 402 | Val | Ala | Asp | Lys | Gly | Tyr | Thr | Leu | Asn | Ile | Lys | Phe | Ala | Gly | Lys | Glu | |
| 403 | 155 | | | 160 | | | | 165 | | | 170 | | | | | | |
| 406 | aag | acc | ccc | gag | gag | ccc | aag | gag | gag | gtg | acc | atc | aag | gcc | acc | ctg | 1239 |
| 407 | Lys | Thr | Pro | Glu | Glu | Pro | Lys | Glu | Glu | Val | Thr | Ile | Lys | Ala | Asn | Leu | |
| 408 | | | | 175 | | | | 180 | | | 185 | | | | | | |
| 410 | atc | tac | gcc | gac | ggc | aag | acc | cag | acc | gcc | gag | ttc | aag | ggc | acc | ttc | 1287 |
| 411 | Ile | Tyr | Ala | Asp | Gly | Lys | Thr | Gln | Thr | Ala | Glu | Phe | Lys | Gly | Thr | Phe | |
| 412 | | | | 190 | | | | 195 | | | 200 | | | | | | |

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/889,182

DATE: 10/22/2001
TIME: 12:13:25

Input Set : A:\ES.txt
Output Set: N:\CRF3\10222001\I889182.raw

L:1 M:259 W: Allowed number of lines exceeded, (1) GENERAL INFORMATION:
L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:433 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:437 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:441 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:445 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:449 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:454 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:458 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:738 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5
L:742 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5
L:746 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5
L:750 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5
L:754 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5
L:758 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5
L:762 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5
L:766 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5
L:770 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5
L:774 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5
L:778 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5
L:782 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5
L:786 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:5